	Туре	L #	Hits	Search Text	DBs
1	BRS	L3	34850	(search\$3 or retriev\$3 or quer\$3 or inquir\$3 or request43) and (Vector\$1 AND (distance\$1 OR weight\$3 OR radius OR (metric NEAR2 space)) AND (group\$3 OR cluster\$3 OR subset\$1) AND (node\$1 OR hierarchical OR hierarch\$3))	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B
2	BRS	L 5	1216	3 and (confiden\$3 adj2 level\$1)	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B
3	BRS	L8	636	3 and (confiden\$3 adj2 level\$1) and cluster\$3	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B

	Туре	L #	Hits	Search Text	DBs
4	BRS	L 9	107	707/1-10.ccls. and 5	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B
5	BRS	L10	65	707/100-104.1.ccls. and 5	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B
6	BRS	L11	2	707/200-205.ccls. and 5	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B
7	BRS	L14	2	708/5.ccls. and ((search\$3 or retriev\$3 or quer\$3 or inquir\$3 or request43) and (Vector\$1 AND (distance\$1 OR weight\$3 OR radius OR (metric NEAR2 space)) AND (group\$3 OR cluster\$3 OR subset\$1) AND (node\$1 OR hierarchical OR	US- PGPUB; USPAT; USOCR

	Туре	L #	Hits	Search Text	DBs
8	BRS	L17	40	704/245.ccls. and ((search\$3 or retriev\$3 or quer\$3 or inquir\$3 or request43) and (Vector\$1 AND (distance\$1 OR weight\$3 OR radius OR (metric NEAR2 space)) AND (group\$3 OR cluster\$3 OR subset\$1) AND (node\$1 OR hierarchical OR hierarch\$3)))	US- PGPUB; USPAT; USOCR
9	BRS	L18	304	707/102.ccls. and ((search\$3 or retriev\$3 or quer\$3 or inquir\$3 or request43) and (Vector\$1 AND (distance\$1 OR weight\$3 OR radius OR (metric NEAR2 space)) AND (group\$3 OR cluster\$3 OR subset\$1) AND (node\$1 OR hierarchical OR hierarch\$3)))	US- PGPUB; USPAT; USOCR
10	BRS	L23	783	*	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B

	Type	L #	Hits	Search Text	DBs
11	BRS	L24	28	23 and cluster\$3	US- PGPUB; USPAT; USOCR; FPRS; EPO; DPO; DERWEN T; IBM_TD B
12	BRS	L25	663	707/3.ccls. and (Vector\$1 AND (distance\$1 OR weight\$3 OR radius OR (metric NEAR2 space)) AND (group\$3 OR cluster\$3 OR subset\$1) AND (node\$1 OR hierarchical OR hierarch\$3))	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B
13	BRS	L26	50218	Vector\$1 AND (distance\$1 OR weight\$3 OR radius OR (metric NEAR2 space)) AND (group\$3 OR cluster\$3 OR subset\$1) AND (node\$1 OR hierarch\$3)	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B

	Туре	L #	Hits	Search Text	DBs
14	BRS	L27	10396	Vector\$1 AND (distance\$1 OR weight\$3 OR radius OR (metric NEAR2 space)) AND (group\$3 OR cluster\$3 OR subset\$1) AND (node\$1 OR hierarchical OR hierarch\$3) SAME (point\$1)	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B
15	BRS	L28		Vector\$1 AND (distance\$1 OR weight\$3 OR radius OR (metric NEAR2 space)) AND (group\$3 OR cluster\$3 OR subset\$1) AND (node\$1 OR hierarchical OR hierarch\$3) SAME (point\$1)	US- PGPUB; USPAT
16	BRS	L29	1	Vector\$1 AND (distance\$1 OR weight\$3 OR radius OR (metric NEAR2 space)) AND (group\$3 OR cluster\$3 OR subset\$1) AND (node\$1 OR hierarchical OR hierarch\$3) and (point\$1) AND (interpatch OR (inter ADJ patch)) AND (intra-patch OR (intra ADJ patch))	US- PGPUB; USPAT; USOCR
17	BRS	L31	1	Vector\$1 AND (inter-patch OR (inter ADJ patch)) AND (intra-patch OR (intra ADJ patch)) AND confiden\$3 AND (node\$1 OR hierarchical OR hierarch\$3)	US- PGPUB; USPAT; USOCR
18	BRS	L32	2930	"707"/\$.ccls. and (Vector\$1 AND (distance\$1 OR weight\$3 OR radius OR (metric NEAR2 space)) AND (group\$3 OR cluster\$3 OR subset\$1) AND (node\$1 OR hierarch\$3))	US- PGPUB; USPAT; USOCR

	Туре	L #	Hits	Search Text	DBs
19	BRS	L33	1518	32 and @ad < "20021912"	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B
20	BRS	L34	2058	32 and (database\$1 dbase db data-base) same (search\$3 retriev\$3 quer\$3)	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B
21	BRS	L35	166	32 and (similarity adjl search\$3)	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B

	Туре	L #	Hits	Search Text	DBs
22	BRS	L36	1385	26 and ((similarity adj1 search\$3) (proximity adj1 search\$3))	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B
23	BRS	L37	775	(vector near space) with model\$1	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B
24	BRS	L38	115	33 and 37	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B

	Туре	L #	Hits	Search Text	DBs
25	BRS	L39	3457	query\$3 same cluster\$3	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B
26	BRS	L40	127	39 and 36	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B



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1 Corrigenda: a hierarchy-aware approach to faceted classification of

object-oriented components

E. Damiani, M. G. Fugini, C. Bellettini

October 1999 ACM Transactions on Software Engineering and Methodology (TOSEM), Volume 8 Issue 4

Publisher: ACM

Full text available: pdf(310.50 KB)

Additional Information: full citation, abstract,

references, cited by, index

This article presents a hierarchy-aware classification schema for objectoriented code, where software components are classified according to their behavioral characteristics, such as provided services, employed algorithms, and needed ...

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2 Analysis of vector space model and spatiotemporal segmentation for

video indexing and retrieval

Eric Galmar, Benoit Huet

July 2007 CIVR '07: Proceedings of the 6th ACM international conference on Image and video retrieval

Publisher: ACM

Full text available: pdf(734.98 KB) Additional Information: full citation, abstract, references, index terms

Region-based video indexing systems have opened up new possibilities for the description of visual content. However, these systems are affected by spatial variations on the regions obtained from image

segmentation algorithms and by the complexity of ...

Keywords: region-based video indexing and retrieval, spatiotemporal segmentation, vector space model, video analysis

Advertising keyword suggestion based on concept hierarchy

Yifan Chen, Gui-Rong Xue, Yong Yu

February 2008 WSDM '08: Proceedings of the international conference on Web search and web data mining

Publisher: ACM

Full text available: 🔁 pdf(575.35 KB) Additional Information: full citation, abstract,

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references, index terms

The increasing growth of the World Wide Web constantly enlarges the revenue generated by search engine advertising. Advertisers bid on keywords associated with their products to display their ads on the search result pages. Keyword suggestion methods ...

Keywords: advertising, concept hierarchy, keyword suggestion

4 A hierarchy-aware approach to faceted classification of objected-

oriented components

E. Damiani, M. G. Fugini, C. Bellettini

July 1999 ACM Transactions on Software Engineering and Methodology (TOSEM), Volume 8 Issue 3

Publisher: ACM

Additional Information: full citation, abstract,

Full text available: pdf(310.25 KB)

references, cited by, index

terms, review

This article presents a hierarchy-aware classification schema for obje ctoriented code, where software components are classified according to their behavioral characteristics, such as provided services, employed algorithms, and needed ...

Keywords: code analysis, component repositories, component retrieval, software reuse, user feedback

Navigating massive data sets via local clustering

Michael E. Houle

August 2003 KDD '03: Proceedings of the ninth ACM SIGKDD international conference on Knowledge discovery and data mining

Additional Information: full citation, abstract,

Full text available: pdf(208.92 KB)

references, cited by, index

terms

This paper introduces a scalable method for feature extraction and navigation of large data sets by means of local clustering, where clusters are modeled as overlapping neighborhoods. Under the model, intracluster association and external differentiation ...

Keywords: association, confidence, nearest neighbor, soft clustering

6 Using navigation data to improve IR functions in the context of web

search

Mark H. Hansen, Elizabeth Shriver

October 2001 CIKM '01: Proceedings of the tenth international conference on Information and knowledge management

Publisher: ACM

Full text available: pdf(2.39 MB) Additional Information: full citation, abstract, references, cited by, index terms

As part of the process of delivering content, devices like proxies and gateways log valuable information about the activities and navigation patterns of users on the Web. In this study, we consider how this navigation data can be used to improve Web ...

Keywords: expectation-maximization algorithm, model-based clustering, proxy access logs, query clustering, web searching

7 Virtual hierarchies to support server consolidation

Michael R. Marty, Mark D. Hill

June 2007 ISCA '07: Proceedings of the 34th annual international symposium on Computer architecture

Publisher: ACM

Full text available: pdf(248.34 KB) Additional Information: full citation, abstract,

references, index terms

Server consolidation is becoming an increasingly popular technique to manage and utilize systems. This paper develops CMP memory systems for server consolidation where most sharing occurs within Virtual Machines (VMs). Our memory systems maximize ...

Keywords: cache coherence, chip multiprocessors (CMPs), memory hierarchies, multicore, partitioning, server consolidation, virtual machines

8 Efficiently exploring architectural design spaces via predictive

modeling

Engin Ïpek, Sally A. McKee, Rich Caruana, Bronis R. de Supinski, Martin

October 2006 ACM SIGOPS Operating Systems Review, Volume 40 Issue 5 **Publisher: ACM**

> Additional Information: full citation, abstract, references, cited by, index

Full text available: pdf(386.43 KB) terms

Architects use cycle-by-cycle simulation to evaluate design choices and understand tradeoffs and interactions among design parameters. Efficiently exploring exponential-size design spaces with many interacting parameters remains an open problem: the ...

Keywords: artificial neural networks, design space exploration, performance prediction, sensitivity studies

9 Clustering web images using association rules, interestingness

measures, and hypergraph partitions

Hassan H. Malik, John R. Kender

July 2006 ICWE '06: Proceedings of the 6th international conference on Web engineering

Publisher: ACM

Full text available: pdf(565.18 KB) Additional Information: full citation, abstract, references, index terms

This paper presents a new approach to cluster web images. Images are first processed to extract signal features such as color in HSV format and quantized orientation. Web pages referring to these images are processed to extract textual features (keywords) ...

Keywords: association rules, feature selection, hypergraphs, interestingness measures, web image clustering, web mining

10 Multidocument summarization: An added value to clustering in



interactive retrieval

Manuel J. Maña-López, Manuel De Buenaga, José M. Gómez-Hidalgo April 2004 **ACM Transactions on Information Systems (TOIS)**, Volume 22 Issue 2

Publisher: ACM

Additional Information: full citation, abstract,

Full text available: pdf(199.91 KB)

references, cited by, index

terms, review

A more and more generalized problem in effective information access is the presence in the same corpus of multiple documents that contain similar information. Generally, users may be interested in locating, for a topic addressed by a group of similar ...

Keywords: Multidocument summarization, topic segmentation

11 Efficiently exploring architectural design spaces via predictive



Engin Ïpek, Sally A. McKee, Rich Caruana, Bronis R. de Supinski, Martin Schulz

October 2006 ACM SIGARCH Computer Architecture News, Volume 34

Publisher: ACM

Additional Information: full citation, abstract,

Full text available: pdf(386.43 KB)

references, cited by, index

terms

Architects use cycle-by-cycle simulation to evaluate design choices and understand tradeoffs and interactions among design parameters. Efficiently exploring exponential-size design spaces with many interacting parameters remains an open problem: the ...

Keywords: artificial neural networks, design space exploration, performance prediction, sensitivity studies

12 Achieving extreme resolution in numerical cosmology using adaptive

③

mesh refinement: resolving primordial star formation

Greg L. Bryan, Tom Abel, Michael L. Norman

November 2001 **Supercomputing '01:** Proceedings of the 2001 ACM/IEEE conference on Supercomputing (CDROM)

Publisher: ACM

Additional Information: full citation, abstract,

Full text available: pdf(562.21 KB)

references, cited by, index

terms

As an entry for the 2001 Gordon Bell Award in the "special" category, we describe our 3-d, hybrid, adaptive mesh refinement (AMR) code *Enzo* designed for high-resolution, multiphysics, cosmological structure formation simulations. Our parallel ...

Keywords: adaptive mesh refinement, numerical cosmology, parallel algorithms

13 Efficient and effective explanation of change in hierarchical



<u>summaries</u>

Deepak Agarwal, Dhiman Barman, Dimitrios Gunopulos, Neal E. Young, Flip Korn, Divesh Srivastava

August 2007 **KDD '07:** Proceedings of the 13th ACM SIGKDD international conference on Knowledge discovery and data mining

Publisher: ACM

Full text available: pdf(276.54 KB) Additional Information: full citation, abstract, references, index terms

Dimension attributes in data warehouses are typically hierarchical (e.g., geographic locations in sales data, URLs in Web traffic logs). OLAP tools are used to summarize the measure attributes (e.g., total sales) along a dimension hierarchy, and to characterize ...

Keywords: OLAP, change, hierarchical summary, parsimonious explanations, statistical model

14 Temporal event clustering for digital photo collections

Matthew Cooper, Jonathan Foote, Andreas Girgensohn, Lynn Wilcox August 2005 ACM Transactions on Multimedia Computing,

Communications, and Applications (TOMCCAP), Volume 1

Issue 3

Publisher: ACM

Full text available: Additional Information: full citation, abstract, references, cited by, index terms

Organizing digital photograph collections according to events such as holiday gatherings or vacations is a common practice among photographers. To support photographers in this task, we present similarity-based methods to cluster digital photos by time ...

Keywords: Digital photo organization, digital libraries, temporal media indexing

15 Clustering of streaming time series is meaningless

Jessica Lin, Eamonn Keogh, Wagner Truppel

June 2003 **DMKD '03:** Proceedings of the 8th ACM SIGMOD workshop on Research issues in data mining and knowledge discovery

Publisher: ACM

Full text available: pdf(648.63 KB) Additional Information: full citation, abstract, references

Time series data is perhaps the most frequently encountered type of data examined by the data mining community. Clustering is perhaps the most frequently used data mining algorithm, being useful in it's own right as an exploratory technique, and also ...

Keywords: clustering, data mining, data streams, rule discovery, time series

16 Separating the swarm: categorization methods for user sessions on

the web

Jeffrey Heer, Ed H. Chi

April 2002 **CHI '02:** Proceedings of the SIGCHI conference on Human factors in computing systems: Changing our world, changing ourselves

Publisher: ACM

Additional Information: full citation, abstract,

Full text available: pdf(462.60 KB)

references, cited by, index

<u>terms</u>

Understanding user behaviors on Web sites enables site owners to make

sites more usable, ultimately helping users to achieve their goals more quickly. Accordingly, researchers have devised methods for categorizing user sessions in hopes of revealing ...

Keywords: World Wide Web, classification, clustering, data mining, user categorization, user patterns, user profile, user study, web mining

17 Power minimization in IC design: principles and applications

Massoud Pedram

January 1996 ACM Transactions on Design Automation of Electronic Systems (TODAES), Volume 1 Issue 1

Publisher: ACM

Additional Information: full citation, abstract,

Full text available: pdf(550.02 KB)

references, cited by, index

terms

Low power has emerged as a principal theme in today's electronics industry. The need for low power has caused a major paradigm shift in which power dissipation is as important as performance and area. This article presents an in-depth survey of CAD methodologies ...

Keywords: CMOS circuits, adiabatic circuits, computer-aided design of VLSI, dynamic power dissipation, energy-delay product, gated clocks, layout, low power layout, low power synthesis, lower-power design, power analysis and estimation, power management, power minimization and management, probabilistic analysis, silicon-on-insulator technology, statistical sampling, switched capacitance, switching activity, symbolic simulation, synthesis, system design

18 SEWeP: using site semantics and a taxonomy to enhance the Web

٠

personalization process

M. Eirinaki, M. Vazirgiannis, I. Varlamis

August 2003 **KDD '03:** Proceedings of the ninth ACM SIGKDD international conference on Knowledge discovery and data mining

Publisher: ACM

Additional Information: full citation, abstract,

Full text available: pdf(429.65 KB)

references, cited by, index

terms

Web personalization is the process of customizing a Web site to the needs of each specific user or set of users, taking advantage of the knowledge acquired through the analysis of the user's navigational behavior. Integrating usage data with content, ...

Keywords: Web mining, Web personalization, concept hierarchies, semantic annotation of Web content

19 <u>Virtual hierarchies to support server consolidation</u>

Michael R. Marty, Mark D. Hill

June 2007 ACM SIGARCH Computer Architecture News, Volume 35 Issue 2 Publisher: ACM

Full text available: Additional Information: full citation, abstract, references, index terms

Server consolidation is becoming an increasingly popular technique to manage and utilize systems. This paper develops CMP memory systems for server consolidation where most sharing occurs within Virtual Machines (VMs). Our memory systems maximize ...

Keywords: cache coherence, chip multiprocessors (CMPs), memory hierarchies, multicore, partitioning, server consolidation, virtual machines

20 Efficiently exploring architectural design spaces via predictive

modeling

Engin Ïpek, Sally A. McKee, Rich Caruana, Bronis R. de Supinski, Martin Schulz

November 2006 ACM SIGPLAN Notices, Volume 41 Issue 11

Publisher: ACM

Additional Information: full citation, abstract,

Full text available: pdf(386.43 KB) reference

references, cited by, index

<u>terms</u>

Architects use cycle-by-cycle simulation to evaluate design choices and understand tradeoffs and interactions among design parameters. Efficiently exploring exponential-size design spaces with many interacting parameters remains an open problem: the ...

Keywords: artificial neural networks, design space exploration, performance prediction, sensitivity studies

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window

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Effective document presentation with a locality-based similarity

heuristic

Owen de Kretser, Alistair Moffat

August 1999 SIGIR '99: Proceedings of the 22nd annual international ACM

SIGIR conference on Research and development in information

retrieval

Publisher: ACM

Full text available: pdf(272.23 KB) Additional Information: full citation, references, cited

by, index terms

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Similarity learning via dissimilarity space in CBIR

Giang P. Nguyen, Marcel Worring, Arnold W. M. Smeulders October 2006 MIR '06: Proceedings of the 8th ACM international workshop on Multimedia information retrieval

Publisher: ACM

Full text available: pdf(1.22 MB) Additional Information: full citation, abstract, references, index terms

In this paper, we introduce a new approach to learn dissimilarity for interactive search in content based image retrieval. In literature, dissimilarity is often learned via the feature space by feature selection, feature weighting or a parameterized function ...

Keywords: dissimilarity learning, interactive search, visualization

Paperless Meetings, ARS Any web-based device can access surveys, Q&A, paperless meetings! www.visiontree.com

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3 Bitmap indexing method for complex similarity queries with relevance

feedback

Guang-Ho Cha

November 2003 MMDB '03: Proceedings of the 1st ACM international

workshop on Multimedia databases

Publisher: ACM

Full text available: 📆 pdf(339.25 KB) Additional Information: full citation, abstract, references, index terms

The similarity indexing and searching is well known to be a difficult one for high-dimensional applications such as multimedia databases. Especially, it becomes more difficult when multiple features have to be indexed together. Moreover, few indexing ...

PPT to PDF Software Create & Convert Files from PPT & Any Other Application into a PDF. www.avanquestusa.com/F **Keywords**: bitmap index, content-based image retrieval, high-dimensional index, relevance feedback, similarity search

4 Indexing very high-dimensional sparse and quasi-sparse vectors for similarity searches

Changzhou Wang, X. Sean Wang

Full text available: pdf(359.20 KB)

April 2001 The VLDB Journal — The International Journal on Very

Large Data Bases, Volume 9 Issue 4

Publisher: Springer-Verlag New York, Inc.

Additional Information: full citation, abstract,

references, cited by, index

terms

Similarity queries on complex objects are usually translated into searches among their feature vectors. This paper studies indexing techniques for very high-dimensional (e.g., in hundreds) vectors that are sparse or quasi-sparse, i.e., vectors *each* ...

Keywords: High-dimensional indexing structure, Lossy compression, Quasi-sparse vector, Similarity search, Sparse vector

5 Learning phonetic similarity for matching named entity translations

and mining new translations

Wai Lam, Ruizhang Huang, Pik-Shan Cheung

July 2004 **SIGIR '04:** Proceedings of the 27th annual international ACM SIGIR conference on Research and development in information retrieval

Publisher: ACM

Additional Information: full citation, abstract,

Full text available: pdf(298.48 KB)

references, cited by, index

<u>terms</u>

We propose a novel named entity matching model which considers both semantic and phonetic clues. The matching is formulated as an optimization problem. One major component is a phonetic matching model which exploits similarity at the phoneme level. We ...

Keywords: learning phonetic information, named entity translation, text mining

⁶ Topic-oriented query expansion for web search

Shao-Chi Wang, Yuzuru Tanaka

May 2006 **WWW '06:** Proceedings of the 15th international conference on World Wide Web

World Wide Web

Publisher: ACM

Full text available: pdf(161.65 KB) Additional Information: full citation, abstract, references, index terms

The contribution of this paper includes three folders: (1) To introduce a topic-oriented query expansion model based on the Information Bottleneck theory that classify terms into distinct topical clusters in order to find out candidate terms for the ...

Keywords: information bottleneck, intercluster similarity, intracluster similarity, query expansion, term-term similarity matrix, topic-oriented

Personalized spiders for web search and analysis

Michael Chau, Daniel Zeng, Hinchun Chen

January 2001 JCDL '01: Proceedings of the 1st ACM/IEEE-CS joint conference on Digital libraries

Publisher: ACM

Additional Information: full citation, abstract,

Full text available: pdf(672.04 KB)

references, cited by, index

Searching for useful information on the World Wide Web has become incr easingly difficult. While Internet search engines have been helping people to search on the web, low recall rate and outdated indexes have become more and more problematic as the ...

Keywords: information retrieval, internet searching and browsing, internet spider, noun-phrasing, personalization, self-organizing map

A new suffix tree similarity measure for document clustering

Hung Chim, Xiaotie Deng

May 2007 www '07: Proceedings of the 16th international conference on World Wide Web

Publisher: ACM

Full text available: pdf(230.11 KB) Additional Information: full citation, abstract,

references, index terms

In this paper, we propose a new similarity measure to compute the pairwise similarity of text-based documents based on suffix tree document model. By applying the new suffix tree similarity measure in Group-average Agglomerative Hierarchical Clustering ...

Keywords: document model, similarity measure, suffix tree

Using navigation data to improve IR functions in the context of web

search

Mark H. Hansen, Elizabeth Shriver

October 2001 CIKM '01: Proceedings of the tenth international conference on Information and knowledge management

Publisher: ACM

Full text available: pdf(2.39 MB) Additional Information: full citation, abstract, references, cited by, index terms

As part of the process of delivering content, devices like proxies and gateways log valuable information about the activities and navigation patterns of users on the Web. In this study, we consider how this navigation data can be used to improve Web ...

Keywords: expectation-maximization algorithm, model-based clustering, proxy access logs, query clustering, web searching

10 An empirical study of inter-concept similarities in multimedia

ontologies

Markus Koskela, Alan F. Smeaton

July 2007 CIVR '07: Proceedings of the 6th ACM international conference on Image and video retrieval

Publisher: ACM

. Full text available: pdf(343.85 KB) Additional Information: full citation, abstract,

references, index terms

Generic concept detection has been a widely studied topic in recent research on multimedia analysis and retrieval, but the issue of how to exploit the structure of a multimedia ontology as well as different interconcept relations, has not received similar ...

Keywords: multimedia ontologies, semantic concept detection

11 Why we search: visualizing and predicting user behavior

Eytan Adar, Daniel S. Weld, Brian N. Bershad, Steven S. Gribble
May 2007 www '07: Proceedings of the 16th international conference on
World Wide Web

Publisher: ACM

Full text available: pdf(775.31 KB) Additional Information: full citation, abstract, references, index terms

The aggregation and comparison of behavioral patterns on the WWW represent a tremendous opportunity for understanding past behaviors and predicting future behaviors. In this paper, we take a first step at achieving this goal. We present a large scale ...

Keywords: DTW, data mining, user behavior, visualization

12 Efficient search ranking in social networks

Monique V. Vieira, Bruno M. Fonseca, Rodrigo Damazio, Paulo B. Golgher, Davi de Castro Reis, Berthier Ribeiro-Neto

November 2007 **CIKM '07:** Proceedings of the sixteenth ACM conference on Conference on information and knowledge management

Publisher: ACM

Full text available: pdf(289.01 KB) Additional Information: full citation, abstract, references, index terms

In social networks such as Orkut, www.orkut.com, a large portion of the user queries refer to names of other people. Indeed, more than 50% of the queries in Orkut are about names of other users, with an average of 1.8 terms per query. Further, the users ...

Keywords: graphs, shortest path, social networks

13 Learn from web search logs to organize search results

📤 Xuanhui Wang, ChengXiang Zhai

July 2007 **SIGIR '07:** Proceedings of the 30th annual international ACM SIGIR conference on Research and development in information retrieval

Publisher: ACM

Full text available: pdf(200.03 KB) Additional Information: full citation, abstract, references, index terms

Effective organization of search results is critical for improving the utility of any search engine. Clustering search results is an effective way to organize search results, which allows a user to navigate into relevant documents quickly. However, two ...

Keywords: interesting aspects, search engine logs, search result organization

14 Using proportional transportation similarity with learned element

semantics for XML document clustering Xiaojun Wan, Jianwu Yang

May 2006 www '06: Proceedings of the 15th international conference on

World Wide Web

Publisher: ACM

Full text available: pdf(225.26 KB) Additional Information: full citation, abstract,

references, index terms

This paper proposes a novel approach to measuring XML document similarity by taking into account the semantics between XML elements. The motivation of the proposed approach is to overcome the problems of "under-contributionö and "over-contributionö ...

Keywords: XML document clustering, proportional transportation similarity

15 Similarity measures for tracking information flow



Donald Metzler, Yaniv Bernstein, W. Bruce Croft, Alistair Moffat, Justin Zobel

October 2005 CIKM '05: Proceedings of the 14th ACM international conference on Information and knowledge management

Publisher: ACM

Additional Information: full citation, abstract,

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Text similarity spans a spectrum, with broad topical similarity near one extreme and document identity at the other. Intermediate levels of similarity -- resulting from summarization, paraphrasing, copying, and stronger forms of topical relevance -- ...

Keywords: information flow, statistical translation, text reuse

16 A non-linear dimensionality-reduction technique for fast similarity



search in large databases

Khanh Vu, Kien A. Hua, Hao Cheng, Sheau-Dong Lang June 2006 **SIGMOD '06:** Proceedings of the 2006 ACM SIGMOD international conference on Management of data

Publisher: ACM

Full text available: pdf(455.40 KB) Additional Information: full citation, abstract,

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To enable efficient similarity search in large databases, many indexing techniques use a linear transformation scheme to reduce dimensions and allow fast approximation. In this reduction approach the approximation is unbounded, so that the approximation ...

17 Summarizing local context to personalize global web search



Paul-Alexandru Chirita, Claudiu S. Firan, Wolfgang Nejdl November 2006 CIKM '06: Proceedings of the 15th ACM international conference on Information and knowledge management

Publisher: ACM

Full text available: pdf(230.41 KB) Additional Information: full citation, abstract,

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The PC Desktop is a very rich repository of personal information, efficiently capturing user's interests. In this paper we propose a new approach towards an automatic personalization of web search in which the user specific information is extracted from ...

Keywords: desktop summarization, personalized web search, relevance feedback, user profile

18 Automatic identification of user goals in Web search

Uichin Lee, Zhenyu Liu, Junghoo Cho

May 2005 **WWW '05:** Proceedings of the 14th international conference on World Wide Web

Publisher: ACM

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There has been recent interests in studying the "goal" behind a user's Web query, so that this goal can be used to improve the quality of a search engine's results. Previous studies have mainly focused on using manual query-log investigation to identify ...

Keywords: Web search, query classification, user goals

19 Relational Analysis of CpG Islands Methylation and Gene Expression in Human Lymphomas Using Possibilistic C-Means Clustering and Modified Cluster Fuzzy Density

Ozy Sjahputera, James M. Keller, J. Wade Davis, Kristen H. Taylor, Farahnaz Rahmatpanah, Huidong Shi, Derek T. Anderson, Samuel N. Blisard, Robert H. Luke, Mihail Popescu, Gerald C. Arthur, Charles W. Caldwell

April 2007 IEEE/ACM Transactions on Computational Biology and Bioinformatics (TCBB), Volume 4 Issue 2

Publisher: IEEE Computer Society Press

Full text available: pdf(4.17 MB) Additional Information: full citation, abstract, references, index terms

Heterogeneous genetic and epigenetic alterations are commonly found in human non-Hodgkin's lymphomas (NHL). One such epigenetic alteration is aberrant methylation of gene promoter-related CpG islands, where hypermethylation frequently results in transcriptional ...

Keywords: Methylation, expression, microarray, fuzzy sets, clustering, cluster density.

20 Unified framework for fast exact and approximate search in

dissimilarity spaces
Tomáš Skopal

November 2007 ACM Transactions on Database Systems (TODS),

Volume 32 Issue 4

Publisher: ACM

Full text available: Additional Information: full citation, abstract, references, index terms

In multimedia systems we usually need to retrieve database (DB) objects based on their similarity to a query object, while the similarity assessment is provided by a measure which defines a (dis)similarity

score for every pair of DB objects. In most ...

Keywords: Similarity retrieval, approximate and exact search

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